

10/529, 841

-2-

Amendment to the Specification:

Please replace the paragraph that begins on page 1, line 27 and continues to page 2, line 3 with the following amended paragraph:

In a first data acquisition step a first partial data acquisition of the k-space of the target region is obtained by following the trajectory as depicted in Figure 1. The trajectory starts at the central point 100 of the k-space. From there it goes into the lower left corner 102 of the k-space. Starting from the lower left corner the k-space is partially scanned by means of a rectilinear trajectory. As it is known from ~~WO-02-135-250-A1 US 6,618,607~~ half of the k-space is covered plus an additional seven lines.

Please replace the paragraph that begins on page 2, line 9 with the following amended paragraph:

A k-space acquisition scheme of the type shown in Figures 1 and 2 is known from ~~WO-02-135-250-A1 US 6,618,607~~ and from "Single-Shot EPI With Signal Recovery From the Susceptibility-Induced Losses", Allen W. Song, Magnetic Resonance in Medicine 46:407-411 (2001) for application in functional magnetic resonance imaging (fMRI). Based on each of the partial k-space data acquisitions an image is obtained and the two images are overlapped in order to produce a resulting image.

9

On page ~~8~~, after the last paragraph ending on line 13, please insert the following new paragraph:

*MJO
8/23/06*

The invention has been described with reference to the preferred embodiments. Modifications and alterations may occur to others upon reading and understanding the preceding detailed description. It is intended that the invention be constructed as including all such modifications and alterations insofar as they come within the scope of the appended claims or the equivalents thereof.